

Interoffice Memorandum

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Date: June 10, 1997

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Subject: **Monthly Report – May 1997
Product Development
& Engineering**

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EXHIBIT
 ORMCO CONFIDENTIAL AND PROPRIETARY INFORMATION

ORTHODONTIC PRODUCTS.....	4
NEW PRODUCT DEVELOPMENT ACTIVITIES.....	4
<u>BRACKETS / BUCCAL TUBES</u>	4
Alexander Spirit BRACKETS.....	4
Orthos-AD ALEXANDER APPLIANCE DISCIPLINE SYSTEM.....	4
Orthos CARRIERE BRACKET.....	4
SELF LIGATING BRACKET.....	5
BURSTONE Orthos CUSPID BRACKET with HORIZONTAL TUBE.....	5
TOOTH SHAPED PAD.....	6
Orthos WELDABLE BICUSPIDS.....	6
TAKEMOTO LINGUAL APPLIANCE.....	6
<u>BANDS</u>	6
TEXTURED MOLAR BANDS.....	6
<u>INTRA ORAL</u>	6
MOLDED Mini-Stick Power Os.....	7
LOW COST RPE.....	7
Orthos LIP BUMPER.....	7
MANDIBULAR ANTERIOR REPOSITIONING APPLIANCE (Dr. Eckhart).....	7
<u>INSTRUMENTS</u>	8
FLUSH CUT DISTAL-END CUTTER.....	8
RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS.....	8
<u>BRACKETS / BUCCAL TUBES</u>	8
Orthos CM_F in Spirit MB.....	8
Custom R, CUSTOM LABIAL APPLIANCE SYSTEM.....	8
ADHESIVE PRECOAT BRACKETS.....	9
TITANIUM BRACKET.....	9
TITANIUM BUCCAL TUBE - MIM PROCESS.....	10
Wildman LINGUAL BRACKET.....	10
SINGLE-PIECE BRACKET.....	10
<u>BANDS</u>	10
TITANIUM BANDS.....	10
<u>WIRE</u>	11
TITANIUM ALLOY WIRE.....	11
GOLD ARCHES.....	11
REVERSE-CURVE Copper Ni-Ti ARCHWIRES.....	11
<u>INTRA ORAL</u>	11
ORMCO CLASS II JUMPER.....	11
IMPROVED POWER CHAIN.....	12
<u>EXTRA ORAL</u>	12
WEDGE-SHAPED NECK STRAP.....	12
<u>SUPPLIES / DISPENSING SYSTEMS</u>	12
UNI-BRACKET PACKAGING.....	12
ARCH MEASURING TEMPLATE.....	12
<u>ADHESIVES</u>	13
MOISTURE-RESISTANT ADHESIVE.....	13
<u>INSTRUMENTS</u>	13
MARA THREE-JAW PLIER.....	13
MARA TORQUE TOOL.....	13
<u>MISCELLANEOUS</u>	13
MATERIAL RESEARCH.....	13
PRODUCT IMPROVEMENT / MANUFACTURING SUPPORT ACTIVITIES.....	14

ORMCO CONFIDENTIAL AND PROPRIETARY INFORMATION

EXHIBIT C

IMPROVED OPTIMESH.....	14
CE MARKING	14
BRACKET PLACEMENT IMPROVEMENT.....	15
AOA (LABORATORY) ENGINEERING SUPPORT	15
AEZ / ETM INSTRUMENT SUPPORT	16
CUSTOM BRAZE	16
ENDODONTIC PRODUCTS.....	16
NEW PRODUCT DEVELOPMENT.....	16
<i>Post Remover Kit EIE Endo.....</i>	<i>16</i>
RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS.....	17
<i>Buchanan HAND PLUGGER</i>	<i>17</i>
MISCELLANEOUS DEPARTMENT ACTIVITIES.....	17
<i>CAPITAL APPROPRIATION REQUESTS.....</i>	<i>17</i>
PRODUCTS CURRENTLY ON INACTIVE STATUS.....	17

ORTHODONTIC PRODUCTS

RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS

CustomRx CUSTOM LABIAL APPLIANCE SYSTEM (Project 853-E Craig Andreiko/Eric Chapoulaud)

a. Lab Reopening (Craig Andreiko)

1) Accomplishments / Status

- ☒ Improvement of the JIG Design for the Upper Lateral: Modification of the lingual surface to remove interferences, Modification of the manufacturing software to improve precision of the milling paths.
- ☒ Improvement of the visualization software: Modification of the sections functionality to allow easier debugging of the Jig design and manufacturing software.

2) Goals For June

- ☐ Improve the Jig design and manufacturing for the Upper Lateral Jig.
- ☐ Creation of 5x5 case of Jigs.

3) Major Project Milestones

- © 3D JIG Design review: 6/30/97

b. 3D Digitizing (Eric Chapoulaud)

1) Accomplishments / Status

- ☒ No development was done this month.

2) Goals For June

- ☐ No development is anticipated this month.

3) Major Project Milestones

- © Mandibular jaw of the PK Thomas model scanned: 6/22/97.

c. Bracket Fabrication (Eric Chapoulaud)

1) Accomplishments / Status

- ☒ Reception and Set-up of the Wax patterns manufacturing machine from SANDERS prototype Inc: "Model Maker Pro".
- ☒ Produced wax parts of Upper Lateral brackets in different sizes: real life, scale 10 and currently scale 20.
- ☒ During the parts manufacturing, we have been adjusting the machine parameters to our laboratory conditions and to our parts size, shape and accuracy.

2) Goals For June

- ☐ Training at SANDERS for E. Chapoulaud and L. Phaneuf.
- ☐ Continue adjusting parameters of the machine for better precision and reliability
- ☐ Produce customized wax patterns of brackets and JIGS, using the Elan Software.

3) Major Project Milestones

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